

**TO: Suborbital Science Program**  
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## **Flight Report**

<b>Aircraft :</b>	Kenn Borek Air DC-3T Basler
<b>Operating Site(s) From / To :</b>	NZIR/NZIR
<b>Flight Date :</b>	November 20, 2009 (NZDT)
<b>Flight Number / Data Flight # :</b>	F09 / 6
<b>Time out:</b>	<b>0116 UTC</b>
<b>Time in:</b>	<b>0739 UTC</b>
<b>Flight Time :</b>	6:23 hrs
<b>Flt Request # / PI:</b>	NASA 20090602-084128 (Blankenship)
<b>Purpose of Flight :</b>	<b>Data [X] Ferry [ ] Functional Check [ ] Other [ ]</b>
<b>Sensor Payload :</b>	University of Texas at Austin HiCARS ice penetrating radar; UT Reigl LD-90 laser distance meter; UT Geometrics 823-A magnetometer; USAF Sigma Space photon counting lidar
<b>Comments :</b>	The aircraft flew its third survey flight in its NASA/NERC/NSF ICEBRIDGE/ICECAP configuration from McMurdo's sea ice runway. The radar hardware, laser altimeter (non-scanning) and magnetic fields instruments all performed well. The lidar prototype experienced collected swath data in targeted regions, while a complementary nadir looking camera collected data through the flight. All systems acquired data over the Byrd Glacier lake district, extending coverage of ICESAT tracks 16 and 373 to lines 600 km long.

**SUBMITTED BY: Duncan Young      21 November 2009**